

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

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The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American journal of science. New Haven. v. 42. July, 1916.

Arctowski, Henryk. The pleionian cycle of climatic fluctuations. p. 27-33.

Canada. Department of agriculture. Bulletin of foreign agricultural intelligence. Ottawa. May, 1916.

Broounoff, P. Crops and the weather. Monograph on the adaptation of farmers to climatic conditions. p. 373-402.

Electrical world. New York. v. 68. July 15, 1916.

Roper, D. W. Lightning protection on 4,000-volt circuits . . . p. 127-129. [Abstract.]

Geographical review. New York. v. 2. July, 1916.

Reed, William Gardner & Tolley, Howard R. Weather as a business risk in farming. p. 48-53. [See this REVIEW, p. 354.]

Harvard college. Astronomical observatory. Annals. v. 73. pt. 3. 1916.

McAdie, Alexander. The winds of Boston and vicinity. p. 211-231.

Japan. Central meteorological observatory. Bulletin. Tokyo. v. 2. no. 4. 1916.

Fujiwhara, S. On the abnormal propagation of sound waves in the atmosphere. Second part. p. 1-82. [See later issue of this REVIEW.]

Nature. London. v. 97. 1916.

Shaw, Napier. Dr. R. H. Scott, F. R. S. p. 365-366. (June 29.) [Obituary.]

Davison, C. The propagation of sound by the atmosphere. p. 402-403. (July 13.)

Shaw, Napier. Prince Boris Galitzine, For. mem. R. S. p. 424. (July 20.) [Obituary.]

Royal society. Proceedings. London. ser. A. v. 92. no. A-642.

Nichols, E. H. Investigation of atmospheric electrical variations at sunrise and sunset. p. 401-408.

Scientific American. New York. v. 115. July 15, 1916.

Volunteer weather observers. p. 56.

Scientific American supplement. New York. v. 83. 1916.

Norton, John F. Modern air. Facts relating to air and ventilation in relation to health. p. 10. (July 1.)

McAdie, Alexander. Aerography. The science of the structure of the atmosphere. p. 20-21. (July 8.) [Repr. from Geographical review.]

Klotz, Otto. Aurora, earth currents, and magnetic disturbances. p. 42-43. (July 15.) [Repr. J. Roy. astron. soc. Canada.]

Scottish geographical magazine. Edinburgh. v. 32. July, 1916.

Obituary: Professor A. Woeikoff. p. 340.

Smithsonian institution. Annual report. Washington. 1915.

Mancini, Ernesto. The earthquake in the Marsica, central Italy. p. 215-218.

Tyco-Rochester. Rochester. v. 6. July, 1916.

Clayton, H. Helm. World meteorology. Weather variations over the earth's surface generally connected and their relation to food supply and to business conditions very marked. p. 7-13.

U. S. States relations service. Experiment station record. Washington. v. 34. June, 1916.

Decarie, J. L. Climatology [of Quebec]. p. 715. [Abstract.]

Victoria. Department of agriculture. Journal. Melbourne. v. 14. January, 1916.

Richardson, A. E. V. Relationship between the average wheat yield and the winter rainfall. p. 37-40.

Académie des sciences. Comptes rendus. Paris. Tome 162. 1916.

Bigourdan, G[uillaume]. Sur la propagation du son à grande distance dans l'atmosphère libre. p. 928-930. (19 juin.)

Galitzine, B[oris]. Sur la localisation de l'épicentre d'un tremblement de terre. p. 954-956. (19 juin.)

Bigourdan, G[uillaume]. Sur la propagation du son à grande distance. p. 965-966. (26 juin.)

Académie des sciences. Comptes rendus. Paris. Tome 163. 3 juillet 1916.

Nodon, Albert. Observations sur des perturbations électromagnétiques terrestres. p. 14-15.

Annales de physique. Paris. 9 série. t. 5. Mars-avril 1916.

Gouy, G. Sur l'état variable des mélanges gazeux soumis à la pesanteur, avec des applications aux atmosphères de la terre et du soleil. p. 121-130.

Géographie. Paris. t. 30. Novembre 1915.

Hubert, Henry. Les séismes en Afrique occidentale française. p. 359-364.

Nature. Paris. 44 année. 8 juillet 1916.

Bigourdan, G[uillaume]. Distribution mensuelle de la nébulosité moyenne en France. p. 27-29. With charts of monthly cloudiness.